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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/761,031	01/20/2004	Thomas J. Wheeler	0275S-468COA	3122
27572	7590	11/30/2006	EXAMINER	
HARNESS, DICKEY & PIERCE, P.L.C. P.O. BOX 828 BLOOMFIELD HILLS, MI 48303			HAMILTON, ISAAC N	
			ART UNIT	PAPER NUMBER
			3724	

DATE MAILED: 11/30/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No. 10/761,031	Applicant(s) WHEELER ET AL.	
	Examiner Isaac N. Hamilton	Art Unit 3724	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 14 September 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3, 9-12 and 16-23 is/are rejected.
- 7) ☒ Claim(s) 4-8, 13-15 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claim 20 is rejected under 35 U.S.C. 102(b) as being anticipated by Schickerling (6,112,420). Schickerling discloses saw blade 12; housing containing a motor is inherent in reciprocating saws; shank portion 24; cutting portion 22; carrier 10; first portion 40, 42, 44; second portion 45; sidewalls 40, 42; base portion 44; clamp 80; interface edge is the upper surface of the blade 12; cam member 58; channel juxtaposed elements 44 and 58. It is to be noted that cam member 58 is fixed between side walls 40, 42 via elements 64 and 66, which do not allow the cam member 58 to move forward or backward. Additionally, the cam member is “fixed” between side walls 40, 42 as shown in figure 7, although not permanently fixed.

### *Claim Rejections - 35 USC § 103*

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1, 2, 3, 11 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lai (5,479,709) in view of Schickerling. Lai discloses housing in figures 3 and 4 surrounding all of the internal elements in the saw; motor 1; carrier 6, 10; first portion adjacent element 10;

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planar base 10, 6; side walls on either side of element 10; channel juxtaposed blade 120 in figure 1; cutting edge has teeth as shown in figure 2; mounting edge is the edge opposite to the edge with cutting teeth; side surface is the surface of blade 120 that is visible in figure 2; second plane is juxtaposed the walls of element 10; output shaft adjacent element 2 and motor 1; second portion adjacent slot/opening 61; plane of planar base is in a line of cutting with the saw blade as seen in figure 1, and the plane of the line of cut is parallel to the plane of the planar base; rotatable element/drive mechanism 4; support 31; follower 5; reciprocal linear path is along slot 61; lateral walls are adjacent elements 63 and 62, and juxtaposed between channels 63 and 62 and element 61; first channel 63; second channel 62; fan 7; vent 72. Lai does not disclose a monolithic carrier with side walls extending from and continuous with the base. However, Schickerling teaches monolithic carrier 40, 42, 44 with side walls 40, 42 extending from and continuous with the base 44. It would have been obvious to provide a monolithic carrier with side walls extending from and continuous with the base in Lai as taught by Schickerling in order to provide a self-locking, quick-release blade clamp assembly that will accommodate blades of varying thickness. It is to be noted that the limitation of "stamped" does not further limit the structure of the apparatus because it refers to the method by which the apparatus was formed and does not define the configuration of the elements.

5. Claims 9, 10, 18 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over the combination of Lai and Schickerling in view of Armstrong (5,535,520). The combination discloses everything as noted above, but does not disclose a releasably attached base portion with a first pair of lateral rails, a second pair of lateral walls, a stop and does not disclose a latch.

Armstrong teaches a releasably attached base portion 36; first pair of lateral rails 52, 54; second

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pair of lateral walls 56, 58; stop 60; and latch 46. It would have been obvious to provide a releasably attached base portion with a first pair of lateral rails, second pair of lateral walls, a stop and a latch in the combination as taught by Armstrong in order to provide a base portion that releases quickly from the saw without the use of a tool. Disengaged position shown in figure 5, and engaged position shown in figures 2 and 3.

6. Regarding claim 17, the combination of Lai and Schickerling discloses the claimed invention except for multiple vents. It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide multiple vents, since it has been held that mere duplication of the essential working parts of a device involves only routine skill in the art. *St Regis Paper Co. v. Bemis Co.*, 193 USPQ 8. It would have been obvious to provide multiple vents in the combination of Lai and Schickerling in order to increase the areas in the saw that have saw dust blown away from them.

7. Claims 20-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over the combination of Lai and Schickerling in view of Armstrong (5,535,520). The combination discloses everything as noted above, but does not disclose a releasably attached base portion with a first pair of lateral rails, a second pair of lateral rails, a stop and does not disclose a latch. Armstrong teaches a releasably attached base portion 36; first pair of lateral rails 56, 58; second pair of lateral walls 52, 54; stop 60; and latch 46. It would have been obvious to provide a releasably attached base portion with a first pair of lateral rails, second pair of lateral rails, a stop and a latch in the combination as taught by Armstrong in order to provide a base portion that releases quickly from the saw without the use of a tool. Disengaged position shown in figure 5, and engaged position shown in figures 2 and 3.



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*Allowable Subject Matter*

8. Claims 4-8 and 13-15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The references teach everything as noted above, but do not teach the output shaft/support extending through the channels. It would not have been obvious to combine other prior art teachings with the references in order to meet the claim limitations.

*Response to Arguments*

Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Isaac Hamilton whose telephone number is 571-272-4509. The examiner can normally be reached on Monday through Friday between 8am and 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Boyer D. Ashley can be reached on 571-272-4502. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

*HH*

JH

November 27, 2006

*Timothy V. Elay*  
Primary Examiner